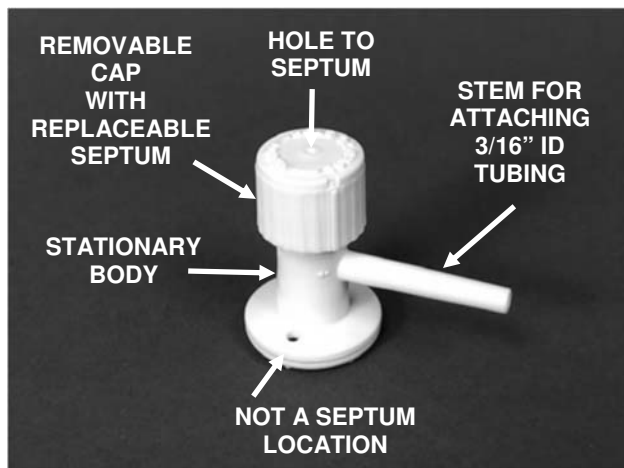


OPERATING INSTRUCTIONS

SCREW CAP COMBO VALVE



NOTES:

- 1- To open and close valve, turn cap no more than 1/4". Valve body is stationary.
- 2- Turn cap by hand only. Do not use pliers or other tools.
- 3- Valve is supplied with cap in closed position.
- 4- Replaceable ultra-low bleed septum inside cap.
- 5- The two round holes in valve base are not suitable for use as septa.
- 6- Gas bags should be flushed 3 or 4 times with Ultra-Pure Nitrogen, or Zero Air, shortly before use.
- 7- Do not exceed 2 to 3 PSI, maximum. Gas sampling bags are designed to inflate sufficiently to contain gas samples - Not to be pressurized.
- 8- Only fill the bag to 75-80% of maximum capacity (about 3/4). Do not fill the bag to the point where it is taut.

TO CONNECT TUBING: Push 3/16" ID tubing over end of stem (or attach compression fitting after cutting off tapered end of stem). Fluoropolymer tubing is recommended. Vinyl and Silicone tubing are not recommended due to leachables.

TO OPEN VALVE: Turn cap counter-clockwise by hand, approximately 1/4", until it stops. Do not force cap past its stopping point.

TO CLOSE VALVE: Turn cap clockwise by hand, approximately 1/4", until it stops. Do not force cap past its stopping point.

TO TAKE A SYRINGE SAMPLE: Use Point Style #5 or Point Style H needle to pierce septum. Insert needle through hole in cap, approximately 3/4" into valve body.

TO REPLACE SEPTUM: Turn cap open approximately 1/4", until it stops. You will feel resistance. In this position, two raised white .45" (11.5 mm) long vertical lines molded into opposite sides of cap will line up above two shorter raised vertical lines molded into sides of valve body, under bottom edge of cap. To remove cap, squeeze sides of cap between the two raised vertical lines and pull it up, off the valve body.

After cap is removed, insert a small diameter rod (i.e. a paper clip) into hole on top of cap to push out the old septum. Insert new septum into the valve cap with the shiny (slippery) side facing the bottom, open side of the cap. Push new septum down into place using the end of the valve stem. Push cap down onto valve in open position by lining up the two raised vertical lines on the cap over the two raised vertical lines on the valve body. To close the valve, turn the cap clockwise.